

ABSTRACT

The present invention relates to a catalyst for the synthesis of ammonia from hydrogen and nitrogen consisting of iron oxides and promoters where the promoters comprise oxides of both cobalt and titanium in addition to Al, K, Ca and Mg oxides, and where the concentration of cobalt is between 0.1% and 3.0% by weight of metal and the concentration of titanium is between 0.1% and 1.0% by weight of metal.